

cost-effective, energy-efficient, health-protective, and environmentally beneficial decisions for constructing high-performance green buildings, including tools available to conduct life-cycle costing and life-cycle assessment;

(4) providing information on application processes for certifying a high-performance green building, including certification and commissioning;

(5) providing technical information, market research, or other forms of assistance or advice that would be useful in planning and constructing high-performance green buildings; and

(6) using such other methods as are determined by the Director to be appropriate.

SEC. 435. RESEARCH AND DEVELOPMENT.

(a) ESTABLISHMENT.—The Director, in coordination with the Committee, shall—

(1)(A) survey existing research and studies relating to high-performance green buildings; and

(B) coordinate activities of common interest;

(2) develop and recommend a high-performance green building research plan that—

(A) identifies information and research needs, including the relationships between human health, occupant productivity, and each of—

(i) emissions from materials and products in the building;

(ii) natural day lighting;

(iii) ventilation choices and technologies;

(iv) heating, cooling, and system control choices and technologies;

(v) moisture control and mold;

(vi) maintenance, cleaning, and pest control activities;

(vii) acoustics; and

(viii) other issues relating to the health, comfort, productivity, and performance of occupants of the building; and

(B) promotes the development and dissemination of high-performance green building measurement tools that, at a minimum, may be used—

(i) to monitor and assess the life-cycle performance of facilities (including demonstration projects) built as high-performance green buildings; and

(ii) to perform life-cycle assessments;

(3) assist the budget and life-cycle costing functions of the Office under section 436;

(4) study and identify potential benefits of green buildings relating to security, natural disaster, and emergency needs of the Federal Government; and

(5) support other research initiatives determined by the Office.

(b) INDOOR AIR QUALITY.—The Director, in consultation with the Committee, shall develop and carry out a comprehensive indoor air quality program for all Federal facilities to ensure the safety of Federal workers and facility occupants—

(1) during new construction and renovation of facilities; and

(2) in existing facilities.

SEC. 436. BUDGET AND LIFE-CYCLE COSTING AND CONTRACTING.

(a) ESTABLISHMENT.—The Director, in coordination with the Committee, shall—

(1) identify, review, and analyze current budget and contracting practices that affect achievement of high-performance green buildings, including the identification of barriers to green building life-cycle costing and budgetary issues;

(2) develop guidance and conduct training sessions with budget specialists and contracting personnel from Federal agencies and budget examiners to apply life-cycle cost criteria to actual projects;

(3) identify tools to aid life-cycle cost decisionmaking; and

(4) explore the feasibility of incorporating the benefits of green buildings, such as security benefits, into a cost-budget analysis to aid in life-cycle costing for budget and decision making processes.

SEC. 437. AUTHORIZATION OF APPROPRIATIONS.

There is authorized to be appropriated to carry out this part \$4,000,000 for each of fiscal years 2008 through 2012, to remain available until expended.

PART II—HEALTHY HIGH-PERFORMANCE SCHOOLS

SEC. 441. DEFINITION OF HIGH-PERFORMANCE SCHOOL.

In this part, the term “high-performance school” has the meaning given the term “healthy, high-performance school building” in section 5586 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 7277e).

SEC. 442. GRANTS FOR HEALTHY SCHOOL ENVIRONMENTS.

The Administrator of the Environmental Protection Agency, in consultation with the Secretary of Education, may provide grants to qualified State agencies for use in—

(1) providing technical assistance for programs of the Environmental Protection Agency (including the Tools for Schools Program and the Healthy School Environmental Assessment Tool) to schools for use in addressing environmental issues; and

(2) development of State school environmental quality plans that include—

(A) standards for school building design, construction, and renovation; and

(B) identification of ongoing school building environmental problems in the State and recommended solutions to address those problems, including assessment of information on the exposure of children to environmental hazards in school facilities.

SEC. 443. MODEL GUIDELINES FOR SITING OF SCHOOL FACILITIES.

The Administrator of the Environmental Protection Agency, in consultation with the Secretary of Education and the Secretary of Health and Human Services, shall develop voluntary school site selection guidelines that account for—

(1) the special vulnerability of children to hazardous substances or pollution exposures in any case in which the potential for contamination at a potential school site exists;

(2) modes of transportation available to students and staff;

(3) the efficient use of energy; and

(4) the potential use of a school at the site as an emergency shelter.

SEC. 444. PUBLIC OUTREACH.

(a) IN GENERAL.—The Administrator of the Environmental Protection Agency shall provide to the Director information relating to all activities carried out under this part, which the Director shall include in the report described in section 432(c).

(b) PUBLIC OUTREACH.—The Director shall ensure, to the maximum extent practicable, that the public clearinghouse established under section 434 receives and makes available information on the exposure of children to environmental hazards in school facilities, as provided by the Administrator of the Environmental Protection Agency.

SEC. 445. ENVIRONMENTAL HEALTH PROGRAM.

(a) IN GENERAL.—The Administrator of the Environmental Protection Agency, in consultation with the Secretary of Education, the Secretary of Health and Human Services, and other relevant agencies, shall issue voluntary guidelines for use by the State in developing and implementing an environmental health program for schools that—

(1) takes into account the status and findings of Federal research initiatives established under this subtitle and other relevant

Federal law with respect to school facilities, including relevant updates on trends in the field, such as the impact of school facility environments on student and staff—

(A) health, safety, and productivity; and

(B) disabilities or special needs;

(2) provides research using relevant tools identified or developed in accordance with section 435(a) to quantify the relationships between—

(A) human health, occupant productivity, and student performance; and

(B) with respect to school facilities, each of—

(i) pollutant emissions from materials and products;

(ii) natural day lighting;

(iii) ventilation choices and technologies;

(iv) heating and cooling choices and technologies;

(v) moisture control and mold;

(vi) maintenance, cleaning, and pest control activities;

(vii) acoustics; and

(viii) other issues relating to the health, comfort, productivity, and performance of occupants of the school facilities;

(3) provides technical assistance on siting, design, management, and operation of school facilities, including facilities used by students with disabilities or special needs;

(4) collaborates with federally funded pediatric environmental health centers to assist in on-site school environmental investigations;

(5) assists States and the public in better understanding and improving the environmental health of children; and

(6) provides to the Office a biennial report of all activities carried out under this part, which the Director shall include in the report described in section 432(c).

(b) PUBLIC OUTREACH.—The Director shall ensure, to the maximum extent practicable, that the public clearinghouse established under section 434 receives and makes available—

(1) information from the Administrator of the Environmental Protection Agency that is contained in the report described in subsection (a)(6); and

(2) information on the exposure of children to environmental hazards in school facilities, as provided by the Administrator of the Environmental Protection Agency.

SEC. 446. AUTHORIZATION OF APPROPRIATIONS.

There is authorized to be appropriated to carry out this part \$10,000,000 for the period of fiscal years 2008 through 2012, to remain available until expended.

PART III—STRENGTHENING FEDERAL LEADERSHIP

SEC. 451. INCENTIVES.

As soon as practicable after the date of enactment of this Act, the Director shall identify incentives to encourage the use of green buildings and related technology in the operations of the Federal Government, including through—

(1) the provision of recognition awards; and

(2) the maximum feasible retention of financial savings in the annual budgets of Federal agencies.

SEC. 452. FEDERAL PROCUREMENT.

(a) IN GENERAL.—Not later than 2 years after the date of enactment of this Act, the Director of the Office of Federal Procurement Policy, in consultation with the Director and the Under Secretary of Defense for Acquisition, Technology, and Logistics, shall promulgate revisions of the applicable acquisition regulations, to take effect as of the date of promulgation of the revisions—

(1) to direct any Federal procurement executives involved in the acquisition, construction, or major renovation (including contracting for the construction or major